
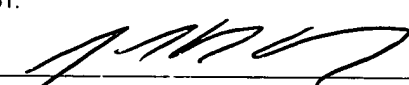
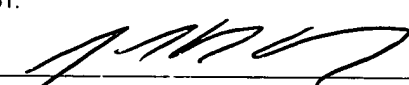
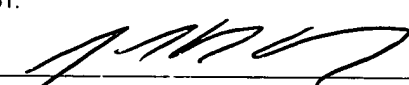


AMENDMENT TRANSMITTAL LETTER (Small Entity)				Docket No.																																													
Applicant(s): Authier		Serial No. 09/429,939		Filing Date 10/29/99																																													
Examiner Prunner, Kathleen J.		Group Art Unit 3751																																															
Invention: Water Freeze Control for Hot Tub Spa																																																	
<p style="text-align: center;"><u>TO THE ASSISTANT COMMISSIONER FOR PATENTS:</u></p> <p>Transmitted herewith is an amendment in the above-identified application.</p> <p><input type="checkbox"/> Small Entity status of this application has been established under 37 CFR 1.27 by a verified statement previously submitted.</p> <p><input type="checkbox"/> A verified statement to establish Small Entity status under 37 FR 1.27 is enclosed.</p> <p>The fee has been calculated and is transmitted as shown below.</p> <table border="1"><thead><tr><th colspan="6">CLAIMS AS AMENDED</th></tr><tr><th></th><th>CLAIMS REMAINING AFTER AMENDMENT</th><th>HIGHEST # PREV. PAID FOR</th><th>NUMBER EXTRA CLAIMS PRESENT</th><th>RATE</th><th>ADDITIONAL FEE</th></tr></thead><tbody><tr><td>TOTAL CLAIMS</td><td>13 -</td><td>20 =</td><td>0 x</td><td>\$9.00</td><td>\$0.00</td></tr><tr><td>INDEP. CLAIMS</td><td>3 -</td><td>3 =</td><td>0 x</td><td>\$42.00</td><td>\$0.00</td></tr><tr><td colspan="5">Multiple Dependent Claims (check if applicable) <input type="checkbox"/></td><td>\$0.00</td></tr><tr><td colspan="5">TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</td><td>\$0.00</td></tr></tbody></table> <p><input checked="" type="checkbox"/> No additional fee is required for amendment.</p> <p><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ A duplicate copy of this sheet is enclosed.</p> <p><input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 200678 A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.</p> <p><input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.</p> <p> Signature</p> <p>Dated: 2/27/02</p> <p>John R. Ross, III Regis. No. 43060 Ross Patent Law Office P.O. Box 2138 Del Mar, CA 92014 858-755-3122 FAX: 858-755-3122</p> <table border="1"><tr><td colspan="2">I certify that this document and fee is being deposited on 2/27/02 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.</td></tr><tr><td colspan="2"> Signature of Person Mailing Correspondence</td></tr><tr><td colspan="2">John R. Ross, III</td></tr><tr><td colspan="2">Typed or Printed Name of Person Mailing Correspondence</td></tr></table> <p>cc:</p>						CLAIMS AS AMENDED							CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE	TOTAL CLAIMS	13 -	20 =	0 x	\$9.00	\$0.00	INDEP. CLAIMS	3 -	3 =	0 x	\$42.00	\$0.00	Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00	TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00	I certify that this document and fee is being deposited on 2/27/02 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.		 Signature of Person Mailing Correspondence		John R. Ross, III		Typed or Printed Name of Person Mailing Correspondence	
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COPY OF PAPERS
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#14/Amend C
308.02
2/27/02
(178)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 09/429,939
Filed: 10/29/99
Applicant: Authier
For: Water Freeze Control for Hot Tub Spa

Examiner: Prunner, Kathleen J.
Group Art: 3751

CERTIFICATE OF MAILING

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Washington, D.C. 20231


Signature of Person Mailing Correspondence

John R. Ross, III
Typed or Printed Name of Person
Mailing Correspondence

Amendment C

Commissioner of Patents and Trademarks
Washington, DC 20231

Sir,

This letter is in response to Office Action dated 11/30/01. Please amend the above-identified patent application as follows:

In the Claims:

Please cancel Claims 13 – 25.

Please add new Claims 26 – 38.

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- Sub 11
26. A freeze control system for a spa, wherein the spa is surrounded by ambient air defining an ambient air temperature, said freeze control system comprising:
- A. a spa tub containing tub water defining a tub water temperature,
 - B. spa piping for circulating water to and from said spa tub,
 - C. a heating element for producing heated water,
 - D. at least one water pump for pumping the heated water,
 - E. a first sensor for detecting said tub water temperature,
 - F. a second sensor for detecting said ambient air temperature, and